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XX. *Meteorological Observations for 1768, made at Bridgwater in Somersetshire, and at Ludgvan in Mount's-Bay, Cornwall. Communicated by Dr. Jeremiah Milles, Dean of Exeter, and F. R. S.*

Read June 1, 1769.

# OBSERVATIONS at BRIDGWATER, 1768.

1768. Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.		Ombr.
January	In. 3. Hightest 30.14 24. Lowest 29.18	From the 1st to the 8th, frosty and remarkably cold. On the 9th a very deep snow, 1 foot 3 inches undriven; and it would have been deeper, had it not rained the day before. From thence, to the end of the month, cloudy, foggy, or rainy.—The wind northerly the first part, and in the latter variable from thence to N. E.	25. Hightest 48 4. Lowest 9	Med. 34	In. 3.905
February	5. Hightest 30.42 10. Lowest 29.27	Changeable throughout; either cloudy or rainy, with very little sun-shine. The wind either N. E. or N. W. the first part of the month, and generally S. W. the remainder. Very high in the middle of the month.	11. Hightest 53 3. Lowest 28	43½ 43½	2.390
March	4. Hightest 30.46 15. Lowest 29.73	The first part generally cloudy, the middle sun-shine, and the latter part cloudy. The wind either N. E. or N. W. almost the whole month, and remarkably calm, except two or three days in the middle.	29. Hightest 55 4. Lowest 28	40½ 40½	.125
April	1. Hightest 30.21 29. Lowest 29.30	Constant sun-shine for the first five days, but from thence to the end of the month generally stormy. The wind chiefly westerly the whole month.	14. Hightest 59 3. Lowest 39	49	2.829

X 2

May

Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	Omb.
May	In. 15. Hight 30,22 29. Lowest 29,24	Stormy for a few days in the beginning, but generally sun- shine through the remainder. The wind chiefly northerly. N. B. A very remarkably strong Aurora Borealis on the 4th. and very uncommon, almost constant, lightning for several hours, on the 5th, but without injury.	Med. 23. Hight 74 } 55 1. Lowest 40 }	In. 1,270
June	2. Hight 30,15 9. Lowest 29,26	Sun-shine for the first seven days : from thence stormy. cloudy, and sun-shine, intermixed. The wind variable, be- tween N. W. and S. W.	6. Hight 69 } 57 $\frac{1}{2}$ 19. Lowest 48 }	3,935
July	21. Hight 30,05 7. Lowest 29,43	Generally rainy, and chiefly towards the latter end. The wind generally S. W.	28. Hight 73 } 61 9. Lowest 50 }	4,565
August	8. Hight 30,12 23. Lowest 29,43	Changeable throughout. Sun-shine, cloudy, and rain. The wind most commonly northerly.	14. Hight 69 } 61 $\frac{1}{2}$ 29. Lowest 52 }	2,485
September	14. Hight 30,12 16. Lowest 28,94	The first and last weeks cloudy and sun-shine intermixed. But almost constant rain during the middle of the month. The wind generally S. W.	27. Hight 65 } 55 $\frac{1}{2}$ 14. Lowest 46 }	6,207
October	19. Hight 30,14 5. Lowest 29,14	The first part generally cloudy, with hard storms. The middle cloudy and sun-shine intermixed ; and the latter part stormy. The wind chiefly westerly.	7. Hight 63 } 50 $\frac{1}{2}$ 22. Lowest 40 }	4,015
November	6. Hight 30,33 22. Lowest 28,23	Changeable throughout. The wind generally either N. W. or S. W. and high. The barometer was remarkably low the latter part of this month.	8. Hight 59 } 42 $\frac{8}{10}$ 9. Lowest 36 }	5,595
December	12. Hight 30,43 2. Lowest 28,89	The first part changeable ; smart frost in the middle, and generally cloudy in the latter part. The wind generally S. W.	8. Hight 56 } 41 $\frac{10}{10}$ 15. Lowest 22 }	2,170

Total of Rain

39,291

O B S E R-

OBSERVATIONS at LUDGVAN in MOUNT'S-BAY, CORNWALL, 1768.  
By WILLIAM BORLASE, D. D.

1768. Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	Omb.
January	3. Highest 29.99 1. Lowest 28.88	On the 1st stormy, thunder, lightning. Hard frost, with some snow, from the 2d to the 6th. The 6th a. m. snow gone, but the ice in a garden watering-pot found ten inches deep. The 7th thaw with much rain. 8th a. m. frost all gone. On the 9th melting snow and rain. No more snow or frost. Rest mostly stormy with rain. Wind chiefly East and North.	Med. } 25. Highest 49 } 3. Lowest 25 } 40 $\frac{1}{2}$	In. } 6,900
February	6. Highest 30.29 10. Lowest 29.10	Cloudy. 10th a violent storm, wind S. by W.; extreme at noon. The rest misty, stormy, showery, and rain. Little sun-shine or calm. Wind blew twenty days from the West.	21. Highest 54 } 3. Lowest 34 $\frac{1}{2}$ } 47 $\frac{1}{2}$	3,760
March	11. Highest 30.27 15. Lowest 29.69	Gentle frosts, for a day only, on the 4th, 8th, and 24th. Rest mostly fair and sun shine. Barometer unusually high. Wind chiefly from the East and North.	17. Highest 55 } 4. Lowest 33 } 44 $\frac{1}{2}$	0,350
April	1. Highest 30.3 29. Lowest 29.10	Weather windy, with frequent showers. The wind in the first third of the month East, and East-North-East, rest Westerly, mixed with the South.	18. Highest 56 } 1. Lowest 41 } 49 $\frac{1}{2}$	3,180

May

Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	Ombr.
May	23. Hightest 30.5 29. Lowest 29.10	Much calms and sun-shine. Wind mostly from the East, mixed with the North. Pleasant month.	Med. } 25. Hightest 70 } 2. Lowest 43 } 54 <sup>2.6</sup> <sub>3.1</sub>	in. } 4,550
June	2. Hightest 30.4 11. Lowest 29.10	On the 6th thunder, lightning, and rain. The 25th ditto. On the 11th stormy. 27th ditto. Rest fair, sun-shine and rain intermixed. Wind equally from all points.	3. Hightest 66 <sup>1.2</sup> 13. Lowest 49 } 56 <sup>1.0</sup> <sub>3.0</sub>	4,750
July	21. Hightest 29.90 7. Lowest 29.18	Showery, rainy, and fair, intermixed. Windy and calm nearly equal. Stormy rain on the 26th. Wind blew twenty-six days from the West, mostly mixed with a point of the South.	30. Hightest 66 } 17. Lowest 53 } 59 <sup>5</sup> <sub>3.1</sub>	4,900
August	8. Hightest 30.3 22. Lowest 29.31	To the 16th fair, generally, with sun-shine, and much calms. On the 17th p. m. thunder, lightning, and violent rain, of which at least one inch fell from 2 p. m. to 5 p. m. N. B. Great falls of rain on the same day in Yorkshire, Wales, &c. Wind then at East and North. Rest mostly from the West.	16. Hightest 67 <sup>1.2</sup> 2. Lowest 55 } 60 <sup>5</sup> <sub>3.1</sub>	3,900
September	14. Hightest 30.6 16. Lowest 28.97	Beginning showery, calm, and sun-shine. On the 12th violent rain and wind. 13th, 22d, ditto. On the 13th, 17th, 23d, 25th, 26th, stormy. On the 16th a storm. Wind W. <sup>1</sup> / <sub>2</sub> S. One half of the month wind from the Westward; the rest mixed.	28. Hightest 64 } 21. Lowest 47 } 55 <sup>2.4</sup> <sub>3.0</sub>	4,510
October	19. Hightest 30.2 5. Lowest 28.99	Rainy, windy month. On the 5th and 6th stormy rain. 7th, 18th, 29th, ditto. On the 6th thunder, lightning, and hail. One half of the month wind blew from the West; the rest mixed.	1. Hightest 61 } 13. Lowest 45 } 52 <sup>2.3</sup> <sub>3.1</sub>	5,010

Month.	Barometer.	State of the Weather and Wind.	Fahrenheit's Thermom.	O nbr.
November	<p>In.</p> <p>6. Hight 30.17 22. Lowest 28.23</p>	<p>On the 4th violent hail-showers. On the 2d hard rain. 10th, 11th, 21st, 26th, 27th, 28th, 29th, ditto. On the 4th, 16th, 21st, 22d, 23d, 24th, 28th, 29th, stormy. Wind blew twenty-seven days from the West. N. B. From Sunday the 20th 8<math>\frac{1}{2}</math> p. m. to Tuesday 22 half hour p. m. (viz. in 39<math>\frac{3}{4}</math> hours) the mercury in the barometer fell 175 (all decimals), and at half past noon was down to 28.23, the lowest yet noted here. Wind W. <math>\frac{1}{2}</math> N. By 8<math>\frac{1}{2}</math> p. m. of the 22d, the mercury was risen to 28.31.</p>	<p>1. Hight 54 22. Lowest 41</p> <p>Med. In. } 48<math>\frac{1.5}{3.0}</math><math>\frac{2}{4}</math> 6,930</p>	
December	<p>17. Hight 30.17 2. Lowest 28.70</p>	<p>Violent rains. From December 1, 10 a. m. to December 2 noon, in 26 hours the fall of rain was 1 inch <math>\frac{2.5}{10.0}</math>th. On the 6th lightning, and stormy showers. On the 16th a storm, wind S. E. On the 13th smart frost. 14th ditto. 15th a deep fall of snow; but that, and the frost, dissipated by the next morning, by stormy, violent rains, about 1 inch having fallen on the 15th at night. Wind mostly from the South and West.</p>	<p>21. Hight 52 12. Lowest 40</p> <p>46<math>\frac{8}{3.7}</math></p> <p>5,150</p>	

Rain fallen in the Year 1768 50,890